



DONALD L. WOLFE, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
www.ladpw.org

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE: **C-1**

November 22, 2005

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Dear Supervisors:

**CHANGES IN WORK FOR PUBLIC WORKS CONTRACTS
SUPERVISORIAL DISTRICTS 1, 3, 4, AND 5
3 VOTES**

IT IS RECOMMENDED THAT YOUR BOARD:

Find that the requested changes in work have no significant effect on the environment and approve the changes for the following construction contracts:

Project ID No. FCC0000368 - Ninth Avenue Drain, vicinities of Industry and Hacienda Heights (1 and 4), W. A. Rasic Construction Co., Inc., in amount of \$15,010.48.

Project ID No. FCC0000883 - Tujunga Wash Restoration-Conveyance System, City of Los Angeles (3), W. A. Rasic Construction Co., Inc., in amount of \$35,000.00.

Project ID No. FCC0000922 - Project No. 450 - Alamitos Bay Pump Station Discharge Pipe Replacement, City of Long Beach (4), Mehta Construction Company, in amount of \$5,890.00.

Project ID No. GME0000003 - Retrofit/Replacement of Underground Storage Tanks and Fuel Facilities, Group 3, vicinities of Malibu, Claremont, Pasadena, Quartz Hill, and Palmdale (3 and 5), Geo-Cal, Inc., in amount of \$4,917.00.

Project ID No. RDC0011808 - Lake Vista Drive Bridge Replacement over Malibou Lake, vicinity of Malibou Lake (3), Accent Builders, in amount of \$7,225.00.

Project ID No. RDC0012920 - Hicks Avenue, et al., vicinity of City Terrace (1), Sully-Miller Contracting Company, in amount of \$25,327.00.

Project ID No. RDC0013688 - Kays Avenue, et al., vicinity of Rosemead (1), Sequel Contractors, in amount of \$18,620.00.

Project ID No. RDC0013877 - Harbor Boulevard Wildlife Underpass Project, City of La Habra Heights (4), Excel Paving Company, in amount of \$15,600.00.

Project ID No. RDC0013996 - Avenue L-8, et al., vicinity of Quartz Hill (5), Granite Construction Company, in amount of \$25,336.60.

Project ID No. RDC0014082 - San Pedro Area Alley Project, vicinity of San Pedro (4), Griffith Company, in amount to \$41,800.00.

Project ID No. WRMD000009 - San Gabriel Hydroelectric Project Control and Protection Systems Upgrade, in the Angeles National Forest north of Azusa (5), L & S Electric, Inc., in amount of \$134,220.50.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

This action is to obtain Board approval for changes in public works contracts in support of the timely completion of the projects while avoiding delays and the potential for claims. The descriptions of the changes, estimated costs, and the necessary time extensions are listed in the enclosure for each contract.

The Honorable Board of Supervisors
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The Director of Public Works has been authorized by your Board to order changes in work up to \$10,000 for construction contracts. Enclosed for your ratification are changes in work which I ordered for Project ID Nos. FCC0000922, GME0000003, and RDC0011808.

Also, enclosed for your authorization are changes in work in excess of my delegated limits which are required to complete Project ID Nos. FCC0000368, FCC0000883, RDC0012920, RDC0013688, RDC0013877, RDC0013996, RDC0014082, and WRMD000009.

Implementation of Strategic Plan Goals

Approval of these changes in work, which are necessary to satisfactorily complete the projects, is consistent with the County Strategic Plan Goal of Service Excellence since the improved infrastructure will better serve the public.

FISCAL IMPACT/FINANCING

The estimated change order amounts for these contracts range from \$4,917.00 to \$134,220.50.

If these changes in work are not approved, contract completion will be delayed and increased costs incurred.

Detailed cost breakdowns for each of the changes and contract cost summaries are included in the enclosures.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

Each of the subject contracts for the construction of public works improvements was awarded by your Board to the lowest responsible bidder in accordance with the California Public Contract Code, your Board's directives, and as recommended by the Director of Public Works.

ENVIRONMENTAL DOCUMENTATION

The changes in work as described above and in the enclosures do not change any conditions which resulted in the original environmental findings.

The Honorable Board of Supervisors
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CONTRACTING PROCESS

Each contract provides that the contractor be compensated for changes in the work as a result of changes to the original plans and specifications or changed conditions encountered during the course of construction. The costs of each of the changes are based on contract unit prices, time and materials, or negotiated under the provisions of the contract specifications. The methods for arriving at the costs of the changes are included in the enclosures.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

Approval of the requested changes by your Board will ensure the timely completion of work under each of the respective contracts and result in complete and usable facilities.

CONCLUSION

Please return one adopted copy of this letter to Public Works.

Respectfully submitted,

DONALD L. WOLFE
Director of Public Works

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Enc. 11

cc: Chief Administrative Office
County Counsel
Office of Affirmative Action Compliance

CHANGE IN WORK (AUTHORIZE)
November 22, 2005

PROJECT ID NO. FCC0000368, NINTH AVENUE DRAIN (in the vicinities of Industry and Hacienda Heights), Supervisorial Districts 1 and 4,
Contractor: W. A. Rasic Construction Company, Inc.

Project Description:

Construction of a reinforced concrete box and pipe storm drains, drainage structures, retaining walls, asphalt concrete pavement, curb and gutter, sidewalk, driveways, and other appurtenant work.

Changes in Work:

(1) Variation in Bid Quantity	\$ 3,815.48
(2) Time Delay Due to Waterline Repairs	2,195.00
(3) Repair Trench After Waterline Repairs	<u>9,000.00</u>
Total	<u>\$15,010.48</u>

Description of Changes:

(1) The original contract amount is based upon the estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The increase in contract price reflects the net adjustment due to a variation between estimated bid quantity and actual quantity.

(2) It will be necessary to reimburse the contractor for the time delay caused by a water company in providing additional water service lines to customers in their area. This work is not shown on the plans.

(3) It will be necessary for the contractor to restore their storm drain trench after two mainline breaks occurred on a waterline. This work is not shown on the plans.

The costs for Item 1 will be based on contract unit prices. The costs for Items 2 and 3 will be based on time and materials as provided in Subsection 3-3 of contract specifications.

No additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$3,467,493.00
Changes in work previously approved by the Board	168,584.61
Changes in work to be authorized	<u>15,010.48</u>
Revised contract amount	<u>\$3,651,088.09</u>

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CHANGE IN WORK (AUTHORIZE)
November 22, 2005

PROJECT ID NO. FCC0000883, TUJUNGA WASH RESTORATION-CONVEYANCE
SYSTEM (City of Los Angeles), Supervisorial District 3,
Contractor: W. A. Rasic Construction Co., Inc.

Project Description:

Construction of a conveyance system including 24-inch reinforced concrete pipe, 36-inch reinforced concrete pipe and high density polyethylene pipe, and intake and outlet structures.

Change in Work:

Construct Squash Box	\$35,000.00
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Description of Change:

Due to interference and clearance problems from SBC telephone lines at the intersection of Vanowen Street and Fulton Avenue, it will be necessary to construct a squash box instead of the 36-inch reinforced concrete pipe as called for in the plans. The cost for this work will be based on time and materials as provided in Subsection 3-3 of the contract specifications.

Seven additional working days will be required because of this change.

Revised Contract Amount:

Original contract amount	\$ 947,646.00
Changes in work previously approved by the Board	37,400.00
Change in work to be authorized	<u>35,000.00</u>
Revised contract amount	<u>\$1,020,046.00</u>

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CHANGE IN WORK (RATIFY)
November 22, 2005

PROJECT ID NO. FCC0000922, PROJECT NO. 450 - ALAMITOS BAY PUMP
STATION DISCHARGE PIPE REPLACEMENT (City of Long Beach),
Supervisory District 4, Contractor: Mehta Construction Company

Project Description:

Replacement of one pump assembly and four steel discharge pipes and other appurtenant work.

Change in Work:

Fabricate Adapter	\$5,890.00
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Description of Change:

The dimensions of the existing reinforced concrete pipe differ from the plans. The contractor will fabricate an adapter to accommodate this change. The cost for this work was negotiated as provided in Subsection 3-2 of the contract specifications.

No additional working days will be required because of this change.

Revised Contract Amount:

Original contract amount	\$263,931.00
Change in work to be ratified	<u>5,890.00</u>
Revised contract amount	<u><u>\$269,821.00</u></u>

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CHANGE IN WORK (RATIFY)
November 22, 2005

PROJECT ID NO. GME0000003, RETROFIT/REPLACEMENT OF UNDERGROUND STORAGE TANKS AND FUEL FACILITIES, GROUP 3 (in the vicinities of Malibu, Claremont, Pasadena, Quartz Hill, and Palmdale), Supervisorial Districts 3 and 5, Contractor: Geo-Cal, Inc.

Project Description:

Retrofit/replacement of underground storage tanks and fuel facilities.

Change in Work:

Fuel Management System	\$4,917.00
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Description of Change:

Your Board previously approved a change in work to compensate the contractor to provide services to start up the fuel management system at the Mill Creek Facility. The cost for this work will exceed the original estimate by the amount shown. The costs for this work will be based on time and materials as provided in Subsection 3-3 of the contract specifications.

An additional 87 working days will be required for this change to allow the contractor to determine the needed repairs and schedule the start-up support.

Revised Contract Amount:

Original contract amount	\$1,038,855.00
Changes in work previously approved by the Board	182,635.93
Change in work to be ratified	<u>4,917.00</u>
Revised contract amount	<u>\$1,226,407.93</u>

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CHANGE IN WORK (RATIFY)
November 22, 2005

PROJECT ID NO. RDC0011808, LAKE VISTA DRIVE BRIDGE REPLACEMENT OVER
MALIBOU LAKE (in the vicinity of Malibou Lake), Supervisorial District 3,
Contractor: Accent Builders

Project Description:

Replacement of the existing bridge on Lake Vista Drive over Malibou Lake.

Changes in Work:

(1) Remove and Relocate Irrigation System	\$ 5,500.00
(2) Remove/Trim Existing Trees	<u>1,725.00</u>
Total	<u>\$7,225.00</u>

Description of Changes:

(1) It will be necessary to remove and relocate an existing irrigation system. The system was found in conflict with the location of the bridge pilings on both the east and west abutments.

(2) It will be necessary to remove and trim trees that interfered with the pile driving operations on the north side of the bridge.

The cost for Item 1 will be based on time and materials as provided in Subsection 3-3 of the contract specifications. The cost for Item 2 was negotiated as provided in Subsection 3-2 of the contract specifications.

Four additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$1,267,012.60
Changes in work to be ratified	<u>7,225.00</u>
Revised contract amount	<u>\$1,274,237.60</u>

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CHANGE IN WORK (AUTHORIZE)
November 22, 2005

PROJECT ID NO. RDC0012920, HICKS AVENUE, ET AL. (in the vicinity of City Terrace), Supervisorial District 1, Contractor: Sully-Miller Contracting Company

Project Description:

Reconstruction of roadway pavement; construction of curb and gutter, sidewalk, driveways, curb ramps, cross gutters, alley intersections, drainage structures, reinforced concrete stairways, guardrail, retaining walls, and chainlink fence; striping and pavement markings; and other appurtenant work.

Changes in Work:

(1) Variations in Bid Quantities	\$ 4,500.00
(2) Construct Slough Wall with Chainlink Fence	15,030.00
(3) Remove and Replace Chainlink Fence	12,425.00
(4) Construct Stairway Access and Walk Gate	6,194.00
(5) Modify Block Retaining Wall and Stairway	(12,398.00)
(6) Construct Concrete Slough Wall	<u>(424.00)</u>
Total	<u>\$25,327.00</u>

Description of Changes:

(1) The original contract amount is based upon estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The increase in contract price reflects the net adjustment due to variations between estimated bid quantities and actual quantities.

(2) In order to address resident concerns, it will be necessary to increase the height of a proposed slough wall on Hicks Avenue by a foot and install a 4 foot-high chainlink fence.

(3) The project plans propose relocating 497 linear feet of existing chainlink fences. However, it will be necessary to replace the fences because they show significant deterioration.

(4) In order to provide a property owner on Hicks Avenue with adequate access to his property, it will be necessary to construct a stairway entrance and walk gate. This work is not shown on the plans.

(5) In order to provide a property owner on Hicks Avenue with adequate access to his property, it will be necessary to modify construction of proposed block retaining walls and stairs. This change will result in a credit to the contract in the amount shown.

(6) In order to meet field conditions, it will be necessary to construct a concrete slough wall on Hicks Avenue south of Story Street rather than construct a concrete block wall as proposed on the plans. This change will result in a credit to the contract in the amount shown.

The costs for Items 1 through 6 will be based on contract unit prices.

Twenty-nine additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$3,574,878.00
Changes in work previously approved by the Board	195,533.50
Changes in work to be authorized	<u>25,327.00</u>
Revised contract amount	<u>\$3,795,738.50</u>

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CHANGE IN WORK (AUTHORIZE)
November 22, 2005

PROJECT ID NO. RDC0013688, KAYS AVENUE, ET AL. (in the vicinity of Rosemead),
Supervisory District 1, Contractor: Sequel Contractors

Project Description:

Reconstruction of roadway pavement, curb and gutter, sidewalk, alley intersections, and driveways; construction of gutters, curb ramps, concrete slough walls, and masonry retaining walls; installation of chainlink fence, striping, and pavement markings; and other appurtenant work.

Changes in Work:

(1) Construct Masonry Walls	\$13,020.00
(2) Cross Gutter Transition and Driveway Reconstruction	<u>5,600.00</u>
Total	<u>\$18,620.00</u>

Description of Changes:

(1) In order to meet field conditions on Kays Avenue (south), it will be necessary to construct the proposed masonry retaining wall higher than originally shown on the plans.

(2) It will be necessary to reconstruct a section of the roadway near the intersection of Kays Avenue and Mooney Drive in order to provide a transition between the pavement and the newly constructed cross gutter. It will also be necessary to reconstruct a driveway at Eucalyptus Drive and Eucalyptus Way in order to meet existing grade. This work is not shown on the plans.

The cost for Item 1 was negotiated as provided in Subsection 3-2 of the contract specifications. The cost for Item 2 will be based on time and materials as provided in Subsection 3-3 of the contract specifications.

Five additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$598,110.00
Changes in work previously approved by the Board	22,000.00
Changes in work to be authorized	<u>18,620.00</u>
Revised contract amount	<u>\$638,730.00</u>

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CHANGE IN WORK (AUTHORIZE)
November 22, 2005

PROJECT ID NO. RDC0013877, HARBOR BOULEVARD WILDLIFE UNDERPASS
PROJECT (City of La Habra Heights), Supervisorial District 4,
Contractor: Excel Paving Company

Project Description:

Construction of a multi-plate corrugated steel underpass, retaining walls, portland cement concrete v-ditch, and splash wall; installation of an irrigation system and landscaping; and other appurtenant work.

Change in Work:

Wet Subgrade in Median	\$15,600.00
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Description of Change:

In order to provide the required detour lanes, it will be necessary to repair the existing saturated soil condition found present in the median on Harbor Boulevard. The work will consist of over excavation of the wet area, placement of filter fabric, and placement of rock base. The cost for this change was negotiated as provided in Subsection 3-2 of the contract specifications.

Three additional working days will be required because of this change.

Revised Contract Amount:

Original contract amount	\$1,113,798.00
Change in work to be authorized	<u>15,600.00</u>
Revised contract amount	<u>\$1,129,398.00</u>

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CHANGE IN WORK (AUTHORIZE)
November 22, 2005

PROJECT ID NO. RDC0013996, AVENUE L-8, ET AL. (in the vicinity of Quartz Hill),
Supervisory District 5, Contractor: Granite Construction Company

Project Description:

Reconstruction of roadway pavement and installation of striping and pavement markings.

Changes in Work:

(1) Variations in Bid Quantities	\$20,712.60
(2) Remove and Reconstruct Driveway	2,600.00
(3) Install Striping	<u>2,024.00</u>
Total	<u>\$25,336.60</u>

Description of Changes:

(1) The original contract amount is based upon estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The increase in contract price reflects the net adjustment due to variations between estimated bid quantities and actual quantities.

(2) Due to revisions to the existing elevations, it will be necessary to remove and reconstruct a driveway on Avenue L-8. This work is not shown on the plans.

(3) In order to meet field conditions, it will be necessary to install striping that was not shown on the plans.

The costs for Item 1 will be based on contract unit prices. The cost for Item 2 will be based on time and materials as provided in Subsection 3-3 of the contract specifications. The cost for Item 3 was negotiated as provided in Subsection 3-2 of the contract specifications.

Five additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$ 343,290.50
Changes in work to be authorized	<u>25,336.60</u>
Revised contract amount	<u>\$368,627.10</u>

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CHANGE IN WORK (AUTHORIZE)
November 22, 2005

PROJECT ID NO. RDC0014082, SAN PEDRO AREA ALLEY PROJECT (in the vicinity of San Pedro), Supervisorial District 4, Contractor: Griffith Company

Project Description:

Construction of concrete pavement, gutter, sidewalk, driveways, curb ramps, chainlink fence, and other appurtenant work.

Changes in Work:

(1) Reconstruct Gutter and Driveways	\$17,000.00
(2) Site Maintenance	11,200.00
(3) Construct Slough Wall	7,500.00
(4) Acceleration of Construction	<u>6,100.00</u>
Total	<u>\$41,800.00</u>

Description of Changes:

(1) It will be necessary to reconstruct driveways along the alley south of First Street and reconstruct driveways and gutter along the alley south of Second Street in order to meet the proposed elevation of the alley.

(2) During construction, the contractor damaged an unmarked gas line. It will be necessary to provide dust control and maintain the site to allow access to through traffic along the alleys north of La Alameda Avenue and east of Bandini Street until the gas company can relocate the line. This work is not shown on the plans.

(3) It will be necessary to construct a slough wall in the alley south of Second Street to prevent erosion. This work is not shown on the plans.

(4) In order to minimize inconvenience to local residents, it will be necessary to accelerate reconstruction of the alleys between La Alameda Avenue and First Street east of Bandini Street. It will be necessary to compensate the contractor for the additional labor, materials, and equipment.

The costs for Items 1 through 4 will be based on time and materials as provided in Subsection 3-3 of the contract specifications.

Thirty-one additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$1,134,218.00
Changes in work previously approved by the Board	31,000.00
Changes in work to be authorized	<u>41,800.00</u>
Revised contract amount	<u>\$1,207,018.00</u>

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CHANGE IN WORK (AUTHORIZE)

November 22, 2005

PROJECT ID NO. WRMD000009, SAN GABRIEL HYDROELECTRIC PROJECT
CONTROL AND PROTECTION SYSTEMS UPGRADE (in the Angeles National Forest
north of Azusa), Supervisorial District 5, Contractor: L & S Electric, Inc.

Project Description:

Removal and replacement of the hydroelectric generating control system at San Gabriel Dam.

Changes in Work:

(1) Add Test Switch Blocks to all Current Transformers and Potential Transformers	\$ 6,956.00
(2) Provide Remote Control for Generator Excitation System	7,444.00
(3) Provide Telephone Lines	24,767.00
(4) Add a 2" Spare Conduit	3,794.00
(5) Provide Switchgear Ventilation System	3,227.00
(6) Check and Modify Project Plans to Field Conditions	19,920.00
(7) Construct Canopy Over Switchgear Building	64,877.50
(8) Replace Existing Broken Flexible Conduits	770.00
(9) Provide a Key and Locking Feature for New Control Panel	310.00
(10) Provide and Install Two Space Heaters	<u>2,155.00</u>
Total	<u>\$134,220.50</u>

Description of Changes:

(1) It will be necessary for the contractor to furnish and install test switch blocks to all current transformer and potential transformer connections for protective relays. This work is not shown on the plans.

(2) It will be necessary for the contractor to provide remote control and annunciation of the unit 1 and 2 generator excitation systems and other alarm and operational interfaces. This work is not shown on the plans.

(3) It will be necessary for the contractor to provide five additional telephone lines in order to serve the new control and protection systems. This work is not shown on the plans.

(4) It will be necessary for the contractor to provide and install an additional 2" conduit from the control room to the switchgear room for future use. This work is not shown on the plans.

(5) In order to prevent damaging condensation, it will be necessary for the contractor to provide a cooling and ventilation system within the switchgear electrical cabinets.

(6) During construction, it was determined that the original as-built plans were not accurate. It will be necessary to modify a portion of the drawings in order to best represent current field conditions.

(7) In order to protect the new control systems from rain damage, it will be necessary to construct a canopy over the existing switchgear house. This work is not shown on the plans.

(8) All existing flex conduits are in deteriorated condition and do not meet current industry standards. It will be necessary to replace these conduits for proper operation of the hydroelectric units. This work is not shown on the plans.

(9) It will be necessary for the contractor to provide a special key to utilize the security features of the new control panel. This work is not shown on the plans.

(10) In order to avoid condensation within the main circuit breaker cabinet, it will be necessary to install two 240-volt space heaters. This work is not shown on the plans.

The costs for Items 1 through 10 were negotiated as provided in Subsection 3-2 of the contract specifications.

Seventy additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$556,320.00
Changes in work to be authorized	<u>134,220.50</u>
Revised contract amount	<u>\$690,540.50</u>

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